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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SECURITIES BLDG.
HELENA, MONTANA

VOL. VIII, No. 3 — McKEE PRINT. — March, 1960

Production of crude oil and condensate from the oil and gas areas of Montana for the month of March, 1960, averaged 82,035 barrels daily, a decrease of 2,996 barrels from the average February production of 85,031.

The ten refineries in the State processed 68,300 barrels of crude oil daily for the month of March, 1960, a decrease of 6,536 barrels daily from the 74,836 barrels processed daily during the month of February, 1960.

During March, 15 wells were completed, 5 oil, 1 gas well and 9 dry holes.

During March, the Commission issued 20 permits to drill new wells, an increase of 6 from the 14 permits issued during February.

SUMMARY OF CRUDE OIL PRODUCTION, REFINING STORAGE, ETC., IN MONTANA

MONTH OF MARCH, 1960

IN STORAGE MARCH 1st:	
By Producers	384,636
By Transporters	611,197
By Refiners	645,335
TOTAL STORAGE	1,641,168
Produced in Montana During Month	2,543,089
Imported During Month	1,461,812
TOTALS	5,646,069
DISPOSITION:	
Refined in Montana	2,117,322
Exported	1,910,267
Used for Fuel or Lost	840
TOTAL	4,028,429
IN STORAGE MARCH 31st:	
By Producers	384,565
By Transporters	613,000
By Refiners	620,075
TOTAL STORAGE	1,617,640

NATURAL GAS WITHDRAWALS IN MONTANA

Month of March, 1960

Field	M Cu. FT.
Bears Den	1,268
Big Coulee	93,158
Bowdoin	786,286
Bowes	147,698
Box Elder	0
Cabin Creek	80,863
Cedar Creek	628,111
Clarks Fork	81,875
Cut Bank (Including Reagan)	1,400,443
Devon	0
Dry Creek	183,886
Elk Basin	61,231
Flat Coulee	14,629
Golden Dome	3,417
Grandview	21,590
Hardin	3,325
Keith Block	116,039
Kevin Sunburst	120,244
Pine	93,711
Plevna	16,750
Utopia	97,550
Whitlash	133,771
Miscellaneous	61,717
TOTAL	4,147,562

Total Withdrawals for March, 1959 were 2,809,773 M Cu. Ft.

PRODUCER'S REPORT
MONTH OF MARCH, 1960

Leases Operated	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
1	Ash Creek	4	810	2,000	.....	2,000	.....	810
5	Bannatyne	10	3,035	1,290	.....	1,415	.....	2,910
1	Belfry	1	477	10,813	10,853	.....	.....	437
9	Big Wall	26	3,431	24,482	.....	25,348	.....	2,565
11	Blackfoot	16	3,958	8,331	.....	6,445	.....	5,844
20	Bowes	79	4,950	24,888	25,421	.....	.....	4,417
1	Bredette	1	1,486	473	.....	.....	.....	1,959
2	Bredette, North	2	1,641	3,065	1,835	.....	.....	2,871
3	Brorson	3	4,120	3,589	4,097	.....	.....	3,612
2	Cabin Creek	94	7,690	347,440	348,025	.....	.....	7,105
26	Cat Creek	103	5,075	14,518	6,837	7,301	.....	5,455
....	Clark's Fork	....	474	.....	.....	.....	.....	474
2	Clark's Fork, North	4	3,504	15,214	.....	15,489	.....	3,229
1	Cupton	2	1,888	1,368	1,369	.....	.....	1,887
358	Cut Bank	1,156	131,394	172,838	173,281	.....	113	130,838
3	Deer Creek	6	3,144	16,551	16,471	.....	.....	3,224
4	Delphia	4	1,290	3,712	.....	4,059	.....	943
....	Devil's Basin	....	1,018	.....	.....	.....	.....	1,018
5	Dry Creek	5	1,176	3,149	2,662	.....	.....	1,663
19	Elk Basin	59	3,724	215,959	217,224	.....	.....	2,459
....	Fertile Prairie	....	1,584	.....	1,332	.....	.....	252
2	Frannie	2	423	2,067	2,009	.....	.....	481
2	Gage	2	1,157	1,512	.....	1,960	33	676
3	Gas City	11	4,490	16,567	17,236	.....	.....	3,821
6	Glendive	12	4,234	41,341	39,499	.....	.....	6,076
4	Gypsy Basin	4	1,488	958	.....	1,097	.....	1,349
1	Hawk Creek	1	431	190	.....	.....	.....	621
6	Ivanhoe	14	4,598	19,252	.....	19,589	.....	4,261
175	Kevin Sunburst	1,231	17,807	61,704	62,512	.....	.....	16,999
1	Line Coulee	1	1,575	99	.....	.....	.....	1,674
1	Little Beaver	8	2,326	21,684	22,351	.....	.....	1,659
5	Little Beaver, East	8	3,140	19,953	20,097	.....	.....	2,996
4	Melstone	9	2,898	3,431	.....	3,838	.....	2,491
5	Monarch	10	3,938	34,425	34,542	.....	.....	3,821
3	Mosser	5	471	504	.....	661	.....	314
1	Musselshell County	1	.....	696	.....	.....	.....	696
7	Outlook	11	6,882	46,445	45,004	.....	.....	8,323
3	Outlook, South	3	2,268	5,277	4,031	.....	.....	3,514
10	Pennel	21	7,777	46,419	47,381	.....	.....	6,815
5	Pine	140	15,509	437,617	437,825	.....	.....	15,301
77	Pondera	338	8,247	40,405	40,289	.....	.....	8,363
7	Poplar, East	92	20,781	301,686	296,247	.....	9	26,211
3	Poplar, Northwest	4	1,049	1,938	927	.....	.....	2,060
4	Ragged Point	9	3,377	11,205	.....	12,390	.....	2,192
....	Rattlesnake Butte	....	116	.....	.....	.....	.....	116
4	Reagan	50	2,669	15,859	15,970	.....	.....	2,558
10	Red Creek	16	4,875	30,175	.....	31,470	.....	3,580
1	Redstone	1	253	296	.....	.....	.....	549
1	Repeat	1	360	2,632	2,205	.....	.....	787
9	Richey	13	6,493	19,120	19,487	.....	.....	6,126
2	Richey, Southwest	2	1,629	6,264	6,592	.....	.....	1,301
1	Rosebud County	1	.....	3,848	.....	3,224	.....	624
5	Sand Creek	6	3,585	35,030	32,545	.....	110	5,960
1	Sheridan County	1	614	2,334	.....	2,641	.....	307
2	Snyder	4	932	1,971	.....	1,194	.....	1,709
5	Soap Creek	18	3,708	6,402	.....	7,186	.....	2,924
9	Stensvad	24	15,917	176,073	180,859	.....	146	10,985
28	Sumatra	84	19,484	182,871	168,590	15,265	72	18,428
3	Sweetgrass Hills	3	751	421	.....	379	.....	793
10	Whitlash	33	12,106	3,149	1,776	1,114	84	12,281
6	Wills Creek	13	4,094	35,445	36,041	.....	.....	3,498
9	Wolf Springs	18	4,466	33,969	33,236	.....	.....	5,199
2	Woodrow	2	1,121	2,175	1,870	.....	.....	1,426
....	Yellowstone	....	728	.....	.....	.....	.....	728
916		3,802	384,636	2,543,089	2,378,528	164,065	567	384,565

Total Oil Produced and Shipped from Lease	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1959	29,857,226	81,800	29,815,632	81,686
January, 1960	2,556,303	82,461	2,538,706	81,893
February, 1960	2,465,899	85,031	2,459,172	84,799
March, 1960	2,543,089	82,035	2,542,593	82,019

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1959	362,849	645,661	619,430	1,627,940
January, 1960	378,126	638,670	588,163	1,604,959
February, 1960	384,636	611,197	645,335	1,641,168
March, 1960	384,565	613,000	620,075	1,617,640

*Includes Wyoming Oil.

TRANSPORTERS REPORT

MONTH OF MARCH, 1960

	Storage First of Month	OIL RECEIVED BY			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,000				2,000		
BANNATYNE—Truck			1,415			1,415			
BELFRY—Interstate Pipe Line Co.		10,853					10,853		
BIG WALL—Truck			25,348			25,348			
BLACKFOOT—Union Oil Co			6,445			6,445			
BOWES—									
Trigood Oil Co	2,972	3,798			411	3,653			2,706
Texaco Inc		21,623				21,623			
	2,972	25,421			411	25,276			2,706
BRORSON—Sun Oil Company		4,097					4,097		
CABIN CREEK & OTHERS*									
Butte Pipe Line Co.	314,220	933,733		536,281			1,463,010		321,224
Shell Pipe Line Corp.	1,937	135,088			1,019			134,235	1,771
	316,157	1,068,821		536,281	1,019		1,463,010	134,235	322,995
CAT CREEK—									
Continental Pipe Line Co.	5,267	6,837			(2,971)	9,660			5,415
Truck			7,301			7,301			
	5,267	6,837	7,301		(2,971)	16,961			5,415
CLARK'S FORK—Truck			15,489				15,489		
CUT BANK—									
Big West Oil Co		546		16,501		17,047			
Darling Gathering System, Inc.	1,674	3,220						3,268	1,626
Phillips Petroleum Co.	22,584	48,660		10,569	162	48,666		2,397	30,588
Texas Pipe Line Co.	47,406	30,646		13,517	131	16,930		24,727	49,781
Toronto Pipe Line Co.	13,512	45,951			(55)			35,093	29,425
Union Oil Co	80,375	47,166		20,724	714	83,695			58,856
	170,551	176,189		61,311	952	171,338		65,485	170,276
DELPHIA—Truck			4,059			4,059			
DRY CREEK—Ohio Oil Co.	7,893	2,791			(349)	3,485			7,543
ELK BASIN—Ohio Oil Co.		217,224					217,224		
FRANNIE—Ohio Oil Co.		2,009					2,009		
GAGE—Truck			1,960			1,960			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
The Texas Pipe Line Co.	15,697	88,650			94		54,750	39,119	10,334
GYPSY BASIN—Truck			1,097			1,097			
IVANHOE—Truck			19,589			365	19,224		
KEVIN-SUNBURST—									
Big West Oil Co.	2,155	37,345				37,260			2,240
Homestake Oil & Gas Co.	1,237	3,116		3,220		7,066			507
The Texas Pipe Line Co.	4,077	30,992			(360)	31,352			4,077
	7,469	71,453		3,220	(360)	75,678			6,824
MELSTONE—Truck			3,838			3,838			
MOSSER—Truck			661				661		
PONDERA—Phillips Petr. Co.	18,140	42,802			282	40,077			20,583
POPLAR, BREDETTE, OUTLOOK, LINE COULEE, REDSTONE, RICHEY & SOUTH OUTLOOK—									
East Poplar Gathering System	28,343	361,855			664			362,143†	27,391
RAGGED POINT—Truck			12,390			12,390			
REAGAN—Union Oil Co.		15,970				15,970			
RED CREEK—Truck			31,470			14,323	17,147		
SNYDER—Truck			1,194				1,194		
SOAP CREEK—Truck			7,186			4,872	2,314		
SUMATRA AND STENSVAD—									
Powder River Pipe Line Inc.	27,030	349,449			(2,142)	266,913	79,165		32,543
Truck			15,265				15,265		
	27,030	349,449	15,265		(2,142)	266,913	94,430		32,543
SWEETGRASS HILLS—Truck			379			379			
WHITLASH—									
Homestake Oil & Gas Co.	5			1,863		1,868			
Western Natural Gas Co.	1,790	1,776						1,693	1,873
Truck			1,114			1,114			
	1,795	1,776	1,114	1,863		2,982		1,693	1,873
WOLF SPRINGS—									
Powder River Pipe Line Co.	9,383	33,237			27	38,631			4,462
UN-NAMED—Rosebud County Truck			3,224				3,224		
UN-NAMED—Sheridan County Truck			2,641				2,641		
TOTALS	611,197	2,479,434	164,065	602,675	(2,373)	733,802	1,910,267	602,675	613,000

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, East Little Beaver, Monarch, Pennel, Pine, Repeat, Richey, Southwest Richey and Wills Creek Fields.

†Transferred to Butte Pipe Line Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF MARCH, 1960

Field	Big West Oil Co.	Humble Oil & Refining Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Jet Fuel Refinery	Phillips Petro. Co.	Texaco Inc.	Texstar Corporation	Union Oil Co.	Total
Blackfoot	.....	.....	.....	.....	.....	.....	.....	.....	.....	7,715	7,715
Bowes	.....	.....	.....	16,116	.....	.....	.....	.....	.....	.....	16,116
Cat Creek	.....	.....	6,026	.....	2,599	2,468	.....	.....	.....	.....	11,093
Cut Bank	17,953	.....	.....	.....	.....	.....	48,666	28,820	.....	92,512	187,951
Delphia	.....	.....	.....	.....	.....	2,451	.....	.....	.....	.....	2,451
Dry Creek	.....	.....	.....	.....	3,415	.....	.....	.....	.....	.....	3,415
Elk Basin	.....	108,864	49,471	.....	.....	.....	.....	.....	.....	.....	158,335
Gage	.....	.....	.....	.....	241	895	.....	.....	.....	.....	1,136
Ivanhoe	.....	.....	.....	.....	.....	3,871	.....	.....	.....	.....	3,871
Kevin Sunburst	49,724	.....	.....	.....	.....	.....	.....	83,767	.....	.....	133,491
Melstone	.....	.....	.....	.....	5,213	.....	.....	.....	.....	.....	5,213
Pondera	.....	.....	.....	.....	.....	.....	41,721	.....	.....	.....	41,721
Reagan	.....	.....	.....	.....	.....	.....	.....	.....	.....	15,969	15,969
Soap Creek	.....	.....	.....	.....	.....	.....	.....	.....	4,872	.....	4,872
Sumatra	.....	166,884	.....	.....	115,682	.....	.....	.....	.....	.....	282,566
Sweetgrass Hills	379	.....	.....	.....	.....	.....	.....	.....	.....	.....	379
Whitlash	202	.....	.....	.....	.....	.....	.....	.....	.....	979	1,181
Wolf Springs	.....	25,054	.....	.....	.....	.....	.....	.....	.....	.....	25,054
Total Montana Oil	68,258	300,802	55,497	16,116	127,150	9,685	90,387	112,587	4,872	117,175	902,529
Canadian Oil Imported	.....	.....	.....	.....	.....	.....	.....	.....	.....	370	370
Wyoming Oil Imported	.....	622,736	343,070	.....	248,617	.....	.....	.....	.....	.....	1,214,423
TOTAL Montana, Canadian and Wyoming Oil	68,258	923,538	398,567	16,116	375,767	9,685	90,387	112,587	4,872	117,545	2,117,322

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	TOTAL
Year, 1959	29,898	.11	41,483	71,392
March, 1959	32,659	....	43,302	75,961
March, 1960	29,113	.13	39,174	68,300

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
41.87%	.03%	58.10%
42.99%	....	57.01%
42.62%	.03%	57.35%